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PREMIUMS

OFFERED IN THE SESSION

1829—1830.

A LIST OF THE OFFICERS OF THE SOCIETY.

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Assistant-Secretary, Mr. THOMAS WOODFALL.
Housekeeper, Miss A. B. COCKINGS.
Collector, Mr. JOSEPH CHATER.

ADVERTISEMENT TO THE PUBLIC.

THE chief object of the Society is to promote the Arts, Manufactures, and Commerce of this Kingdom, by giving honorary or pecuniary Rewards, as may be best adapted to the case, for the communication to the Society, and through the Society to the Public, of all such useful Inventions, Discoveries, and Improvements, (whether specified in these Premiums or not,) as tend to that purpose : in pursuance of this plan, the Society have already expended upwards of a *Hundred Thousand Pounds*, derived from voluntary Subscriptions and Legacies.

The Meetings of the Society are held every Wednesday, at seven o'clock in the evening, from the first Wednesday in November to the second Wednesday in June. The Committees meet on other evenings in the week during the session, for the purpose of taking into consideration the subjects referred to them by the Society. A person desirous of becoming a Member of the Society may be proposed according to the following form, which must be signed by three members of the Society, and delivered in to the Secretary :

A. B. [*Trade, profession, or designation of the Candidate,*] proposed as a Member of the Society for the Encouragement of Arts, Manufactures, and Commerce, by

C. D.
E. F.
G. H.

[*Date.*]

Peers of the realm, or lords of parliament, are, on their being proposed, immediately balloted for ; the names of other persons proposed to become members are read by the Secretary to the Society, and are then inserted in lists which are hung up in the Society's room ; they are balloted for at the second following ordinary meeting. In both cases, if two-thirds of the members then voting ballot in their favour, they are deemed perpetual members upon payment of not less than twenty guineas in one sum, or subscribing members upon payment of any sum not less than two guineas annually.

Ladies are eligible as members of the Society, and alone are entitled to vote by proxy at elections, through the medium of any gentleman who is a member, on his producing a written authority for the same.

Members are entitled to vote and assist in all the business of the Society and of the several committees. They have also the privilege of recommending two persons as visitors at the meetings of the Society ; and, by addressing a note to the housekeeper, of introducing their friends on any week-day, except Wednesday, between the hours of ten and two, to examine the various models, machines, and productions, in different branches of arts, manufactures, and commerce,

for which rewards have been bestowed ; also to inspect the magnificent series of moral and historical paintings, executed by the late J. Barry, Esq., which, with some valuable busts, statues, portraits, &c. decorate the public rooms of the Society.

Members have the use of the Society's library, which is valuable, and annually increasing by the purchase and donation of scientific and useful books, and of engravings. Contributions from members and others, in augmentation of the library, and of the collection of maps and prints, will be thankfully received, and duly acknowledged in the annual volume of the Society's Transactions, to a copy of which every member is entitled.

✚ To persons inclined to leave a sum of money to this Society by will, the following form is offered for that purpose :—

ITEM.—I give and bequeath to A. B. and C. D. the sum of _____ upon condition, and to the intent, that they, or one of them, do pay the same to the collector, for the time being, of a Society in London, who now call themselves the *Society for the Encouragement of Arts, Manufactures, and Commerce*; which said sum of _____ I will and desire may be paid out of my personal estate, and applied towards carrying on the laudable designs of the Society.

The Society desire it to be clearly understood, that, as a body, they are not responsible for any opinion or representation of facts contained in their volumes. And the public are requested to guard against imposition from persons advertising as having patents for articles rewarded by the Society; they are also cautioned against purchasing articles sold under the pretended sanction of the Society's name.

The Society have lately published the 46th volume of their Transactions, which may be had by members, on application to the house-keeper. Complete sets of their Transactions, or any single volume, may be purchased at the Society's house ; where may be had also,

An *Analytical Index* of the first twenty-five volumes of the Transactions, to the termination of the session June 1807, price 1s.

Ditto continued to the end of the 40th volume, price 1s.

A catalogue of books in the Society's library, price 1s.

A description of Mr. Barry's paintings in the great room of the Society, *gratis*.

All communications are to be made by letter, addressed to ARTHUR AIKIN, Esq. the Secretary, at the Society of Arts, &c. Adelphi, London: and where articles are sent by sea for the Society, the bills of lading are to be addressed to the care of WILLIAM VAUGHAN, Esq. 70, Fenchurch Street, London, who has undertaken to receive them for the Society.

GENERAL NOTICE TO CANDIDATES.

THE great object of the Society, in rewarding individuals, is to draw forth and give currency to those inventions and improvements which are likely to benefit the public at large. Candidates are therefore requested to observe, that if the means by which the respective objects are effected require an expense or trouble too great for general purposes, the Society will not consider themselves bound to give the offered reward; but though they expressly reserve the power, in all cases, of giving such part only of any premium as the performance shall be adjudged to deserve, or of withholding the whole if there be no merit, yet the candidates may be assured the Society will always judge liberally of their several claims.

The Society by no means restrict their liberality to the subjects for which premiums are specially offered; but will take into consideration, and will reward by a bounty proportioned to its merit, any communication, the subject of which is of a practical nature, and calculated to promote the public good.

All communications are to be made by letter (post-paid), addressed to the Secretary; and are to contain full and particular details, according to the nature of the subject, as well as accurate descriptions of such drawings and models as form part of the communication: the models to be sent *carriage paid*.

In those cases in which certificates are required to be produced in claim of premiums, they should be expressed, as nearly as possible, in the words of the conditions attached to the respective premiums, and be signed by disinterested persons, who have a positive knowledge of the facts stated.

The premiums are designed for the United Kingdom, unless expressly mentioned to the contrary: but no claim will be attended to unless the previous conditions have been fully complied with.

No person shall receive any premium, bounty, or encouragement, from the Society, for any matter for which he has obtained any premium or reward from any other Society, or for which he has obtained, or purposes to obtain, a patent: it being a condition stipulated with every candidate, that all articles rewarded by the Society shall be freely given up to the public, to be made or manufactured by any person whomsoever.

All models, the production of which is attached as a condition to any premium, shall, upon delivery of such premium, remain the property of the Society.

Where premiums or bounties are obtained in consequence of specimens produced, the Society will retain such part of those specimens as they may judge necessary, making a reasonable allowance for the same.

No member of this Society shall be a candidate for, or entitled to receive, any premium, bounty, or reward whatsoever, except the honorary medals of the Society.

No candidate, not a member, shall be present at any meeting of the Society or committees, or be admitted at the Society's rooms, after having delivered in his claims, until such claims are adjudged, unless summoned by the committee.

A candidate for a premium, or a person applying for a bounty, being detected in any attempt to impose upon the Society, shall forfeit such premium or bounty, and be deemed incapable of obtaining any for the future.

The consideration of the claims for the premiums offered in the present list will take place during the session of the Society commencing on Wednesday the 5th of November, 1829. The several candidates and claimants, to whom the Society shall adjudge premiums or bounties, are to attend on the last Wednesday in May, or such other day as the Society shall appoint, to receive the same; and before that time no premium or bounty will be delivered, except to those who are about to leave the kingdom.

In cases where the Society may think fit to admit excuses for not attending in person, deputies may be substituted to receive the rewards, provided such deputies are either members of the Society or superior officers thereof.

CLASS OF AGRICULTURE,

INCLUDING

PLANTING, GARDENING, AND EVERY BRANCH OF RURAL ECONOMY.

For useful communications on any of these subjects, the Society will give Gold or Silver Medals, or Pecuniary Rewards, varying from Five to Fifty Pounds, according to circumstances: and it is particularly requested that such communications may be sent in as early as possible, but not later than the first Monday in March 1830.

The objects to which the attention of the public is more particularly directed are arranged under the following heads:—

I.—IMPROVEMENT OF LAND.

For the discovery and application of superior or cheaper means of effecting any of the three following objects:

1. Gaining extensive tracts of land from the sea, and bringing the same into cultivation.
 2. Bringing into cultivation land previously lying waste.
 3. Draining or otherwise improving land already under cultivation.
 4. Making experiments for the purpose of ascertaining the best method of applying the substances already used as manure, or the successful introduction of any new substance for that purpose.
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II.—PLANTING FOREST AND FRUIT TREES.

5. Making extensive plantations of forest-trees, particularly on land unfit for other purposes.
6. Making experiments, or communicating information concerning the kinds of trees best adapted for cultivation in different soils and situations, or on the best modes of making and managing plantations, or live and dead fences, or of planting, pruning, and managing fruit-trees and orchards, or of securing plantations from injury by hares, rabbits, sheep, or cattle.

7. Introducing new and improved species or varieties of forest or fruit trees, or ornamental shrubs.

The Society will be glad to receive seeds, grafts, or cuttings, for distribution.

8. Successfully and extensively cultivating the white mulberry-tree, for the purpose of feeding silk-worms.

The Society are desirous of ascertaining by experiment whether silk can be profitably raised in this country: the public are referred to a paper on this subject by the late Archibald Stephenson, Esq., in the 43d volume of the Society's Transactions; and which may also be had separate.

III.—CULTIVATION OF CORN AND OTHER PLANTS.

9. Making experiments, or communicating information, on the different methods of growing wheat and other grain, and on the varieties of each, with the modes of culture best adapted to various soils and situations.

10. Communicating similar experiments or information on the various native and foreign grasses, clover, lucern, &c., and on the soils best adapted to them respectively.

The public are referred to a communication on an improved variety of ray-grass, published in the 44th volume of the Society's Transactions.

11. Ascertaining the possibility of successfully cultivating straw for making fine Leghorn plat, or procuring information concerning the modes of its cultivation and treatment in Italy.

12. Successfully cultivating a variety of the field-bean, which will ripen its seed earlier than those at present cultivated, by which the injurious effects of insects may be in some measure avoided, and more time allowed to till the land for the subsequent crop of wheat.—See the 44th volume of the Society's Transactions.

13. Communicating information concerning the cause of, or remedy for, the rotting of the roots of clover in the ground.

14. Communicating new or improved methods of harvesting corn, or making hay in wet seasons.

15. Discovering new or improved means of preserving agricultural produce, particularly roots and plants, during the winter, in a fit state for feeding cattle and sheep in the spring.

16. The discovery of new and effectual means of importing from distant countries plants, roots, and seeds, in a living state.

17. Introducing new and useful vegetables, or producing new and improved varieties of those already in cultivation; or introducing any im-

provement in managing fruit or kitchen gardens.

18. For any improvement in the method of building, heating, and managing hot-houses or conservatories.

19. Discovering effectual methods of destroying noxious insects and preventing blights, or in any way improving the health of trees or plants.

IV. CATTLE, SHEEP, PIGS, AND OTHER DOMESTIC ANIMALS.

20. Communicating new and useful information concerning the breeding, rearing, and feeding of cattle, or other domestic animals, with a view to improve their health or vigour, or to increase either the quantity or quality of the meat, milk, wool, or other produce.

21. Importing, breeding, and rearing, in this country, the Cachemere-shawl goat.

22. Ascertaining the value of salt in feeding cattle, or in improving the quality of hay injured by the weather.

V. AGRICULTURAL MACHINES.

23. Inventing or improving machines for performing, in a superior manner, or at a cheaper rate, any agricultural operations.

CLASS OF CHEMISTRY AND MINERALOGY.

Claims for premiums in this department are to be sent in on or before the first Tuesday in February 1830.

Generation of Steam.

24. For the best method of generating steam for engines, in such a manner that its quantity or force shall be materially increased beyond the quantity or force of steam obtained by methods at present in practice, without increase of danger or expense;—*the Gold Medal, or One Hundred Pounds.*

Prevention of Smoke.

25. For an effectual method, superior to any in use, and verified by practice, of effectually preventing the emission of dense smoke from the chimneys of furnaces and fire-places;—*the Gold Medal, or One Hundred Pounds.*

Certificates to be produced to the Society, that the means proposed have been found to succeed in practice.

*Preventing Noxious Vapours in
Manufactories.*

26. For an effectual method, superior to any in use, and verified by actual trial, of preventing the ill effects arising from noxious fumes disengaged in chemical and other manufacturing processes;—*the Gold Isis Medal, or Thirty Pounds.*

*Preventing the Ill Effects of
Smelting Ores.*

27. For the most effectual method of preventing the ill effects arising to vegetation and animal life from the sulphureous, arsenical, or other noxious fumes disengaged in smelting the ores of copper, zinc, lead, tin, iron, &c. in the large way; and, if possible, of converting those pernicious fumes to useful purposes, in a manner superior to any hitherto known or in use;—*the Gold Medal, or Fifty Pounds.*

A full account of the process employed will be required, together with certificates of its having been successfully carried into effect.

Fine Bar-Iron.

28. To the person who shall make the greatest quantity of bar-iron, not less than ten tons, with any fuel except charcoal, equal in quality to the best iron imported from Sweden or Russia, and as fit for being converted into steel;—*the Gold Medal, or One Hundred Pounds.*

Samples of the iron, and of the steel made from it, to be produced to the Society; the quantity of the former to be not less than $\frac{1}{4}$ cwt., and of the latter not less than 7 lbs., with certificates that the whole quantity is of equal quality.

Refining Copper from the Ore.

29. For a method of separating, purifying, and refining copper from the ore, so as to render it fit for those purposes to which fine Swedish copper is now applied, and capable of being brought into the market at the same price;—*the Gold Medal, or Fifty Pounds.*

Certificates that not less than three tons have been so prepared and refined, and a quantity not less than 14 lbs. of the copper so refined, to be produced to the Society.

Refining Zinc from the Ore.

30. For refining zinc from the ore, by a process superior to any hitherto known or in use, and rendering it fit for the purpose of making fine brass;—*the Gold Isis Medal, or Thirty Pounds.*

Conditions the same as in the preceding.

Preparing Brass.

31. For a method of making brass from materials the produce of Great Britain or Ireland, of superior quality to that commonly manufactured in this country;—*the Gold Isis Medal, or Thirty Pounds.*

A full account of the process, and of the ingredients employed, together with their proportions, and certificates that one ton has been so manufactured, and a sample of the brass, not less than 14 lbs., to be produced to the Society.

Improved Earthenware Crucibles.

32. For manufacturing earthenware crucibles which shall not be liable to crack in the fire, and shall be capable of enduring the action of fluxes, and higher degrees of heat than those now in use, and shall not be too expensive;—*the Gold Isis Medal, or Thirty Pounds.*

A full account of the process to be produced to the Society, and of the materials employed, with satisfactory certificates of the crucibles having been found to answer in use, and specimens of the crucibles, with covers of the same materials.

Improved Melting-pots.

33. For manufacturing melting-pots, for founders in brass, iron, and other metals, superior to those now in use, and not too expensive;—*the Gold Isis Medal, or Thirty Pounds.*

Conditions the same as in the preceding premium.

Purification of Coal Gas.

34. For a method, superior to any now in use, of purifying the inflammable gas procured from coal;—*the Gold Isis Medal, or Thirty Pounds.*

A full account of the process to be produced to the Society, with certificates of its fully answering the intended purpose.

Refining Whale or Seal Oil.

35. For an economical and effectual method, superior to any hitherto known, of purifying whale or seal oil from the glutinous matter that incrusts the wicks of lamps, and extinguishes the light, though fully supplied with oil; provided that such purified oil resists congelation in an equal degree with the unpurified, and produces an equal degree of light;—*the Gold Isis Medal, or Thirty Pounds.*

A full account of the process to be produced to the Society, with certificates that not less than twenty gallons have been purified according to the process delivered in, together with four gallons of the oil in its unpurified state, and four gallons so refined.

Oil for Chronometers.

36. For a method, verified by actual experiment, of rendering oil more fit than any now in use for chronometers and watches, particularly in being less liable to become thick or rancid;—*the Gold Isis Medal, or Thirty Pounds.*

A full account of the experiments to be produced to the Society, and of the process employed, with satisfactory certificates, together with a specimen of the oil.

Crown Glass.

37. To the person who shall make crown or window glass equally transparent, and as free from blue and green colour as the best German sheet, and not more expensive;—*the Gold Isis Medal.*

Certificates to be produced to the Society that not less than two cwt. have been made, together with one whole plate and two of the largest squares that can be cut, and a full account of the proportions of the ingredients, and of the process of manufacture.

Flint Glass.

38. To the person who shall invent a process for making flint glass free from veins, as dense and transparent as the best now in use, and quite fit for the purposes of opticians;—*the Gold Medal.*

A full account of the process, with certificates that it has been found to answer on repeated trials; that not less

than 20 lbs. have been made; and that object-glasses, at least three and a half inches in diameter, have been manufactured of the same, together with specimens of the glass in its rough and manufactured state, to be produced to the Society.

Indelible Ink.

39. For a method of making a black writing ink, superior to any at present known, and indestructible by chemical applications, and that shall flow freely from the pen;—*the Gold Isis Medal, or Thirty Pounds.*

Certificates that not less than two gallons of such ink have been actually prepared, with a full detail of the process of making it, and two quarts of the ink, to be produced to the Society.

Printers' Ink.

40. For the best composition for printers' ink, superior to any hitherto in use;—*the Gold Isis Medal, or Thirty Pounds.*

Certificates that 112 lbs. of such ink have been made, with a full account of the process employed; and 6 lbs. of the ink, to be produced to the Society.

Copper-plate Printers' Ink.

41. For the best composition for printers' ink, superior to any hitherto known, and fit for the finest kind of copper-plate printing;—*the Gold Isis Medal, or Thirty Pounds.*

Certificates and conditions the same as for the last premium.

Rendering Leather Water-proof.

42. For a method, superior to any now in use, of rendering leather water-proof, without injuring its texture or pliability;—*the Silver Medal, or Fifteen Pounds.*

A full account of the process, with samples of the leather in its unprepared and prepared state, to be produced to the Society.

Preserving Provisions from becoming rancid or rusty.

43. For the best, cheapest, and most efficacious method, superior to any hitherto known, of preserving dry salted provisions from becoming rancid or

rusty;—*the Gold Isis Medal, or Thirty Pounds.*

A full description of the method, with proper certificates that it has been found, on repeated trials, to answer the purpose intended, to be produced to the Society.

44. For a method of curing or preserving meat during long sea voyages, superior to any now in use;—*the Gold Isis Medal, or Thirty Pounds.*

Conditions the same as for the preceding premium.

Preserving Iron from Rust.

45. For a cheap composition, superior to any now in use, which shall effectually preserve from rust wrought iron, either forged or polished;—*the Gold Medal, or Fifty Pounds.*

A full description of the method of preparing the composition, with certificates that the iron has stood at least two years unimpaired, being exposed to the atmosphere during the whole time, with one pound weight of the composition, to be produced to the Society.

Preventing the Dry Rot in Timber.

46. For a method of preventing the dry rot in timber, superior to any hitherto known;—*the Gold Medal, or Fifty Pounds.*

The particulars of the method of prevention, confirmed by repeated experiments on a large scale, to be produced to the Society.

Preventing Mildew in Paper or Canvass.

47. For a process to be used in the manufacture of paper or canvass, or some application to be made to manufactured paper or canvass, which shall effectually prevent it from becoming mildewed;—*the Gold Medal, or Fifty Pounds.*

A full account of the process employed, with certificates and other evidence of its efficacy, to be communicated to the Society.

Preventing the Destructive Effects from Moths.

48. For a cheap, easy, and effectual method, verified by repeated and satisfactory trials, of preventing the destructive effects occasioned by moths and other insects, in furs, woollens,

specimens of natural history, and other articles, superior to any hitherto known or practised;—*the Gold Medal, or Fifty Pounds.*

The accounts, with proper certificates, to be produced to the Society.

Dyeing Silk of a Pink or Rose Colour.

49. For a substitute for safflower in dyeing silk rose and pink, which shall produce a colour equally beautiful and permanent, and at less expense;—*the Gold Isis Medal, or Thirty Pounds.*

The communication, with a full account of the processes employed, and certificates, to be produced to the Society.

Improved Black Dye for Silk or Wool.

50. For a black dye for silk or wool, superior in colour and durability to any at present in use;—*the Gold Isis Medal, or Thirty Pounds.*

A full account of the process, attested by satisfactory certificates, as well as samples of the silk or wool so dyed, to be produced to the Society.

Substitute for the Basis of White Paint for Oil Colours.

51. For the best substitute, superior to any hitherto known, for the basis of white paint for oil colours, equally proper for the purpose as the white lead now employed; such substitute not to be of a noxious quality, and to be afforded at a price not materially higher than that of white lead;—*the Gold Medal, or Fifty Pounds.*

A quantity of the substitute, not less than 10 lbs. weight, with an account of the process used in preparing it, and certificates that at least one cwt. has been manufactured, to be produced to the Society.

Red Pigment.

52. For a red pigment, fit for use in oil and water, equal in tone and brilliancy to the best carmines and lakes now known or in use, perfectly durable, and more economical;—*the Gold Isis Medal, or Thirty Pounds.*

Four ounces of such colour, and a full disclosure of its preparation, to be produced to the Society.

N.B. It is required that the colour

should remain unaltered by common exposure to strong day-light, damps, and noxious vapours.

Blue Pigment.

53. For a blue pigment, equal in colour, brilliancy, and durability, to the best ultramarine, and which may be afforded at a cheaper rate;—*the Gold Isis Medal, or Thirty Pounds.*

The conditions are the same as in the preceding premium for the red pigment.

Taking out Stains from White Marble.

54. For effectually removing or correcting natural stains in statuary marble;—*the Gold Medal, or Fifty Pounds.*

A full description of the process, and certificates of its efficacy on trial, to be produced to the Society.

Substitute for Stone for Lithography.

55. To the person who shall discover and communicate to the Society any substance equally fit for the purposes of lithography with the best German stones;—*the Gold Isis Medal, or Thirty Pounds.*

A full description of the process of preparing or composing the substance, with specimens thereof, to be produced to the Society.

Mineralogical and Geological County Maps.

56. To the person who shall complete and publish the best mineralogical and geological map of any county in the United Kingdom, on a scale of not less than one inch to a mile;—*the Gold Isis Medal, or Thirty Pounds.*

The map, with certificates of its accuracy, to be produced to the Society. One impression of the map to remain the property of the Society.

Mineralogical and Geological Map of Ireland.

57. To the person who shall complete and publish an accurate mineralogical and geological map of Ireland, on a scale of not less than an inch to five miles;—*the Gold Medal, or Fifty Pounds.*

The conditions are the same as in the preceding.

Mineralogical and Geological Map of Scotland.

58. The same premium is offered for a mineralogical and geological map of Scotland, on similar conditions.

N.B. For useful communications on any of the applications of Chemistry to the Arts and Manufactures, the Society will give Gold or Silver Medals, or Pecuniary Rewards, according to circumstances.

CLASS OF POLITE ARTS.

The following premiums in Polite Arts are offered in five distinct classes:—

Class I. includes Sons and Grandsons of Peers, or of Peeresses in their own right, of the United Kingdom.

Class II. includes Daughters and Grand-daughters of Peers, or of Peeresses in their own right, of the United Kingdom.

Class III. includes Gentlemen who claim as Amateurs.

Class IV. includes Ladies who claim as Amateurs.

Class V. includes Artists, who profess and practise the Arts of Painting, Sculpture, Architecture, or Engraving, or who are pursuing their Studies in contemplation of becoming Artists.

It is required, that the subjects in claim of premiums be delivered in without the names, or any external intimation to whom they belong; that the candidates affix on the front of their performances whatever mark they please, each performance having a different mark, and that the same mark be inscribed on the

outside of a paper sealed up, containing *within* the name and residence, and on the *outside* the sex and age of the candidate, the number of the class to which such candidate belongs, and the number of the premium in claim of which the performance is offered, and whether the candidate has previously received from the Society any and what reward; the name not to be disclosed unless the candidate be successful, or in consequence of a special vote of the Society or Committee.

If a person be a candidate for more than one premium, a separate letter must be sent in with each performance; but no person is allowed to send in more than one performance in claim of the *same* premium.

Human Figure.

59. For the best drawing in chalk, pencil, or Indian ink, copied from any picture, print, or drawing, by persons under the age of sixteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

60. For the best outline, drawn from any entire figure of the antique, or cast in plaster, the size of the drawing to be not less than twenty-four inches, to be accompanied with a drawing of a hand and foot the size of life, by persons under the age of eighteen;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

61. For the best finished drawing from any entire antique figure, or from any cast in plaster, the size of the drawing to be not less than twenty-four inches, to be accompanied with a drawing of a hand and foot the size of life, by persons under the age of nineteen;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

62. For the best outline drawing of an entire anatomical human figure, from a model or cast, the size of the drawing to be not less than twenty-four inches, to be accompanied with a drawing of a hand and foot the size of life, by persons under the age of nineteen;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

63. For the best drawing from the living figure, the size of the drawing to be not less than twenty-four inches, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

64. For the best copy in water-colours from any picture, being a composition of two or more figures, the size of the principal figure not less

than nine inches, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

65. For the best original drawing, being a composition of two or more figures, the principal figure not less than nine inches, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

66. For the best copy in oil from any picture, being a composition of two or more figures, the principal figure not less than twenty-four inches, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

67. For the best original painting in oil, being an historical, poetical, or other composition, of not less than three figures; the size of the canvass to be a common half-length (or three feet four inches by four feet two inches), by persons under the age of twenty-five;—*the Gold Medal*. For the next in merit, *the Gold Isis Medal*.

Heads or Portraits.

68. For the best drawing of a head, copied from any picture, drawing, or print, by persons under the age of sixteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

69. For the best finished drawing of a head, not less than the size of life, from any bust, by persons under the age of eighteen;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

70. For the best painting in oil, from an antique bust or cast, by persons under the age of nineteen;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

71. For the best original painting in water-colours of a portrait, or group of portraits, by persons under the age of twenty-one;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

72. For the best portrait in miniature, in water-colours, being a copy, by persons under the age of twenty;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

73. For the best original portrait in miniature, in water-colours, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

74. For the best copy, in oil, of a portrait, by persons under the age of nineteen;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

75. For the best original painting in oil, of a portrait, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Models.

76. For the best model in bas-relief, from any entire antique figure or cast in plaster, the size of the model not less than twenty-four inches, by persons under the age of eighteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

77. For the best model in bas-relief, from the living figure, by persons under the age of twenty-one, the model not less than twenty-four inches;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

78. For the best model of a bust from the antique, of a different size from the original, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

79. For the best model of a bust from nature, of the size of life, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

80. For the best model in the round, from an entire antique figure, the model not less than twenty-four inches high, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

81. For the best original model of a single figure, not less than twenty-four inches high, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

82. For the best original model of a group, the subject *Orlando and the Wrestler*, from Shakspeare's "As you like it:" the figures not less than twenty-four inches, by persons under the age of twenty-five;—*the Gold Medal*. For the next in merit, *the Gold Isis Medal*.

Landscape.

83. For the best drawing of a landscape, copied from any picture, drawing, or print, by persons under the age of eighteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

84. For the best painting of a landscape in water-colours, being a copy, by persons under the age of eighteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

85. For the best original drawing of a landscape from nature, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

86. For the best original painting in water-colours of a landscape from nature, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

87. For the best original oil painting of a landscape from nature, by persons under the age of twenty-three;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

88. For the best original composition of a landscape painted in oil, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

89. For the best original marine painting, in oil, of two or more vessels, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Flowers or Fruit.

90. For the best painting in water-

colours, being a copy, by persons under the age of sixteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

91. For the best original composition in water-colours, from nature, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

92. For the best original composition in oil, painted from nature, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Animals.

93. For the best drawing of one or more animals, copied from any picture, print, or drawing, by persons under the age of sixteen;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

94. For the best original drawing from nature of one or more animals, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

95. For the best original painting in oil, of a group of not less than three animals, painted from nature, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Still-life.

96. For the best original composition, painted in oil or water-colours, of three or more such subjects as are usually called still-life, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

Drawings of Machinery.

97. For the best perspective drawing of machinery, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

Enamel Painting.

98. For the best enamel painting of a head, by persons under the age of twenty-three;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

99. For the best historical painting

in enamel, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Carving in Wood.

100. For the best carving in wood of fruit or flowers, not less than nine inches high, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

101. For the best carving in wood of one or more animals, the size of the animal not less than eight inches, by persons under the age of twenty-three;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

102. For the best carving in wood of one or more human figures, not less than a foot in height, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

103. For the best carving in wood of any enriched border or ornament, from the carver's own design;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Etching.

104. For the best free etching in historical composition, by persons under the age of twenty;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

105. For the best free etching of a landscape, by persons under the age of twenty;—*the Silver Isis Medal*. For the next in merit, *the Silver Palette*.

106. For the best free etching in historical composition, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

107. For the best free etching of a landscape, by persons under the age of twenty-five;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

Finished Engravings on Steel or Copper.

108. For the best finished engraving in historical composition, by persons under the age of twenty-five;—*the Gold Medal*. For the next in merit, *the Gold Isis Medal*.

109. For the best finished engraving of a landscape, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

110. For the best finished engraving of a portrait, by persons under the age of twenty-five;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Engraving on Blocks.

111. For the best engraving on wood or metal blocks, of an historical subject, the size of the principal figure not less than six inches in height, and the block to be at least twelve inches by nine;—*the Gold Isis Medal*.

Two or more impressions, with the block, to be produced to the Society. The impressions, but not the block, to remain the property of the Society.

Lithography.

112. For the best account of a process employed in lithography, superior to any hitherto known to the public;—*the Gold Isis Medal, or Thirty Pounds*.

The particulars of the process, accompanied by specimens of the art, and of the materials employed, with all other necessary information, to be produced to the Society on or before the first Tuesday in March 1830.

Medal Die Engravings.

113. For the best die engraving, either of a head or single figure, after the engraver's own design or model, by persons under the age of twenty-one;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

114. For the best die engraving of a group, after the engraver's own design and model, by persons under the age of thirty;—*the Gold Medal*. For the next in merit, *the Gold Isis Medal*.

The dies, with two impressions or casts, and the model, in each claim for medal die sinking, are to be produced to the Society; and the impressions or casts to remain the property of the Society.

115. To the person who shall discover and communicate to the Society a method of making and hardening medal dies, superior to any hitherto known, and which shall prevent the

surface of the die from being cracked, scaled, warped, or otherwise injured;—*the Gold Medal, or Thirty Pounds*.

A full and detailed account of all the processes required to produce the effect, with certificates of their successful application, to be delivered to the Society.

Gem Engraving.

116. For the best engraving in intaglio or cameo, of a head or single figure, on carnelian or other hard stone, being a copy;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

117. For the best engraving in intaglio or cameo, of a head or figure, after the engraver's own design and model, on a carnelian or other hard stone;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

118. For the best engraving in intaglio or cameo, of a group, after the engraver's own design and model, on carnelian or other hard stone;—*the Gold Medal*. For the next in merit, *the Gold Isis Medal*.

Premiums for Medical or Surgical Students.

119. For the best coloured anatomical model of a dissected limb, or other part of the human body, in wax or other substance;—*the Gold Medal*.

120. For the best original drawing (made from actual dissection) of the anatomy of the human body, or of any part thereof, sufficiently full and accurate for the purposes of surgery, such drawing to be not less than the natural size of the parts, by persons under the age of twenty-five;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

It is required that each model and drawing be accompanied by an outline, with the necessary references to render them intelligible.

PREMIUMS FOR THE YEAR 1830.

Architecture.

All claims for the following Premiums must be sent in to the Society on or before the third Tuesday in January 1830.

121. For the best drawing in per-

spective from a Corinthian or other ornamented capital, not less than eighteen inches high, by persons under twenty-one years of age;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

122. For the best drawing of an original composition of foliage or other ornament adapted to the decorative purposes of architecture;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

The drawing to remain the property of the Society.

123. For the best original model of foliage or other ornament adapted to architectural decoration, not less than two square feet of surface;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

124. For the best perspective drawing of the north porch of Westminster Abbey, from actual elevations taken by measurement, and projected according to rule, drawn on large elephant paper, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

125. For the best design for a village church in the Gothic style;—*the Gold Medallion*. For the next in merit, *the Silver Medal*.

The following inscription to be engraved on the medallion: "*The premium given by the Society for the Encouragement of Arts, Manufactures, and Commerce, in conformity to the will of John Stock, Esq. of Hampstead.*"

The drawing sent in for this premium to consist of one or more plans, elevations, sections, and perspective views, with separate representations of such parts as may be necessary to give a complete explanation of the design. The drawings to be made on a scale of one-twelfth of an inch to a foot; the perspective view, and the particular parts, on a larger scale if necessary.

126. For the best design for an entrance into the Park at the bottom of St. James's Street;—*the Gold Isis Medal*.

Conditions the same as for the preceding.

127. For the best design for a foun-

tain in the centre of the buildings erecting on the site of Carlton palace;—*the Gold Isis Medal*.

Conditions the same as for the preceding.

PREMIUMS FOR THE YEAR 1831.

Architecture.

All claims must be sent in on or before the third Tuesday in January 1831.

128. For the best drawing in perspective of any enriched Gothic capital, not less than eighteen inches high, by persons under twenty-one years of age;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

129. For the best drawing in perspective of the north end of Westminster Hall (in Palace Yard), from actual elevations taken by measurement, and projected according to rule, drawn on large elephant paper, by persons under the age of twenty-one;—*the Silver Medal*. For the next in merit, *the Silver Isis Medal*.

130. For the best drawing, being an original composition, of foliage or other ornament, adapted to the decorative purposes of architecture;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

131. For the best design of a palace in the Gothic style, adopting as a basis for the arrangements the ideas suggested by Lord Bacon in his essay entitled "Of Building;"—*the Gold Medallion*. For the next in merit, *the Silver Medal*.

The drawings sent in for this premium must consist of one or more plans, elevations, sections, and perspective views, with separate drawings of such parts as may be necessary to give a complete representation of the design. The drawings to be made on a scale of one-twelfth of an inch to a foot; the perspective view, and the particular parts, on a larger scale if necessary.

132. For the best original model of foliage or other ornament adapted to architectural decoration, not less than two superficial feet;—*the Gold Isis Medal*. For the next in merit, *the Silver Medal*.

Conditions for the Polite Arts.

All performances in claim of the above premiums, except those relating to architectural subjects, are to be produced to the Society on or before the first Tuesday in March 1830, and none can be received after that day.

No candidate, under any pretence whatever, shall be allowed to retouch or varnish a performance after it has been received by the Society.

No candidate having received a premium or bounty, shall receive an equal reward in the same class, or any reward in an inferior class, of the same department of art. Nor shall any reward be given lower than one degree below the lowest of the premiums offered in each article.

No candidate shall receive more than one premium or bounty in the same year, unless in the separate arts of painting, sculpture, architecture, and engraving.

All performances, to which premiums or bounties are adjudged, shall remain with the Society until after the second Wednesday in June 1830, when they will be re-delivered, unless mentioned in the premiums to the contrary.

No performance shall be admitted that has obtained a reward from any other society or academy.

All performances must have been executed within the year previous to their being sent in to the Society, except the finished engravings, which

must have been finished within the year previous to their being sent in.

No performance can be received which does not come into one of the foregoing articles, and which does not agree with the conditions of such article, except by a particular recommendation from the committee, and confirmed by the Society, that it is deserving of being made an exception to the general rule; and in such case a bounty may be given.

To prevent attempts to impose on the Society, by producing drawings made or retouched by any other person than the candidate, the Society require a specimen of the abilities of each successful candidate to be made under the inspection of the Committee of Polite Arts.

All copies are to be on a different scale from the original; and, if possible, the original is to be sent with the copy.

The Society reserve to themselves the power of giving medals of less value than those proposed; or of withholding them altogether in cases where the performance shall be deemed unworthy of reward.

In consideration of the great number of premiums here offered, embracing so many departments of the fine arts, no bounty can be given, except in such cases as it has been found impossible to class the productions sent, when a bounty may be recommended to the Society.

CLASS OF MANUFACTURES.

For communications on any subject tending to improve or extend the manufactures of the country, the Society will give Gold or Silver Medals, or Pecuniary Rewards, varying from Five to Fifty Pounds, according to circumstances; and it is particularly requested that such communications be sent in as early as possible, but not later than the first Monday in March 1830.

The attention of candidates is particularly directed—

To the profitable conversion of any hitherto unused raw material found in Great Britain or Ireland, or which may be advantageously imported.

To the invention or introduction of new or improved manufactures.

To improving the construction or mode of operation of any of the implements used in spinning or weaving silk, wool, cotton, or flax, or in the manufacture of paper.

CLASS OF MECHANICS,

*Including Hydraulic, Pneumatic, Optical, Mathematical, Astronomical,
and Surgical Apparatus.*

For useful communications on any of these subjects, the Society will give Gold or Silver Medals, or Pecuniary Rewards, varying from Five to Fifty Pounds, according to circumstances; and it is particularly requested that such communications be sent in as early as possible, but not later than the first Monday in March 1830.

The attention of candidates is particularly directed—

To improvements in those important objects on which the interests of Great Britain essentially depend, namely, steam-engines, shipping, and the machinery employed in extensive manufactures.

To improvements in the tools used in the various handicraft trades.

To the diminution of labour required to perform mechanical operations, either by improving the apparatus employed or the mode of using it.

To the improvement of mathematical and astronomical, and especially of nautical instruments, in respect to accuracy or facility of use.

To diminution of the danger attending certain machines and operations, namely, steam-boilers, gunpowder mills, stage coaches, and the operations of boring, blasting, and working mines and quarries.

CLASS OF COLONIES AND TRADE.

Claims for the following premiums are to be sent in on or before the second Tuesday in March 1830.

It is absolutely necessary that all statements made by candidates residing in the colonies should be authenticated by the certificates of the governor or secretary of the colony, or by the justices of peace, or other competent local authorities.

Cachemere Wool.

133. To the person who shall import the greatest quantity of real Cachemere wool, not less than one cwt., freed from the hair, and in a state fit for spinning;—*the Gold Medal.*

Samples of the wool, not less than five pounds weight, with bills of lading and other necessary documents, to be produced to the Society.

This premium is also offered for the year 1831.

Importing the Cachemere-shawl Goat.

134. To the person who shall have imported into the United Kingdom, subsequent to the 1st of January, 1827, the greatest number, not fewer than three females and two males, of the real Cachemere-shawl goat;—*the Gold Medal.*

Certificates that the goats are of the real Cachemere breed, and that they are in health at the time of making the

communication, to be produced to the Society.

This premium is offered also for the years 1831 and 1832.

Nutmegs and Mace.

135. To the person who shall grow the finest sample of nutmegs or mace, of good and merchantable quality, not less than twenty pounds weight, in any part of his Majesty's dominions in the West Indies, or in any British plantation on the coast of Africa, or of the several islands adjacent thereto, or in the island of Singapore, and equal to those imported from the islands of the East Indies;—*the Gold Medal.*

Satisfactory certificates of the place of growth, with an account of the number of trees, their age, nearly the quantity of fruit on each tree, and the manner of culture, together with samples, to be produced to the Society.

The same premium is offered for the year 1831.

Cinnamon.

136. A premium, similar to the preceding, and on the same conditions, is offered for the growth of cinnamon.

The same premium is also offered for the year 1831.

Pepper.

137. To the person who shall, previous to the year 1831, raise, in any of the British West Indian islands or colonies, and shall import the largest quantity, not less than 4 cwt., of good and marketable pepper;—*the Gold Medal, or Fifty Pounds.*

138. For the next greatest quantity, not less than two cwt.;—*the Gold Ceres Medal, or Thirty Pounds.*

Conditions the same as for No. 135.

The same premium is also offered for the year 1831.

Vanilla.

139. To the person who shall import from any of the British West Indian islands the greatest quantity of Vanilla beans, the produce of such island or colony, equal in quality to those produced in Poyais and on the coast of Mexico;—*the Gold Ceres Medal.*

Conditions the same as for No. 135.

The same premium is also offered for the year 1831.

Annatto.

140. To the person who shall import, from any part of the British settlements in the East Indies, the greatest quantity of annatto, equal to that imported from Spanish America, not less than one cwt.;—*the Gold Medal.*

A quantity of the annatto, not less than ten pounds weight, to be produced to the Society, with proper certificates that the annatto is the produce of such settlement.

Silk.

141. To the person who, in the years 1829 or 30, shall raise in any British colony, and shall import, the greatest quantity of silk proper for manufactures, not less than one hundred pounds weight, from silk-worms bred there;—*the Gold Medal.*

Specimens of the silk, not less than one pound, with an account of the method in which the silk-worms were ma-

naged, the kind of mulberry-trees whence they were furnished with food, and particulars respecting the culture of the mulberry-trees for that purpose, to be produced to the Society.

142. For the next greatest quantity, not less than fifty pounds, on similar conditions;—*the Silver Medal.*

Satisfactory certificates of the several particulars above mentioned to be delivered to the Society along with the samples required.

Premiums similar to the two last are specially offered for the colonies of

143—144. The Cape of Good Hope.

145—146. The Mauritius.

147—148. New South Wales.

149. To the person who shall raise, in the East Indies, silk equal to the best Italian or China silk;—*the Gold Medal.*

One pound of the silk to be sent to the Society as a sample, with certificates that at least 100 lbs. of equal quality have been produced. The same premium is offered for the years 1831 and 1832.

Caoutchouc.

150. To the person who shall establish a plantation in any British settlement in Africa, or the West Indies, of any of those trees that produce caoutchouc;—*the Gold Medal.*

A sample of one pound, with certificates that at least twenty pounds of equal quality with the sample have been produced, to be sent to the Society.

Olive Oil.

151. To the person who shall manufacture and import the finest specimen of oil, not less than ten gallons, the produce of olives grown in any British colony in Africa or New South Wales;—*the Gold Medal.*

152. For the next greatest quantity, not less than six gallons;—*the Silver Medal.*

Specimens of the oil, not less than two quarts, together with satisfactory certificates, to be produced to the Society.

The same premium is also offered for the year 1831.

Wine from New South Wales.

153. To the person who shall import the finest wine, not less than one pipe, of good marketable quality, made

from the produce of vineyards in New South Wales;—*the Gold Medal*.

Samples of the wine, bills of lading, and certificates that the wine was made in the colony, to be produced to the Society, together with an account of the vineyards, and of the process of the manufacture.

Dried Fruits.

154. To the person who shall prepare and import into Great Britain the greatest quantity, not less than 100 lbs., of dried fruits, similar to those now imported from the Mediterranean, of good quality, and the growth of the colony of New South Wales;—*the Gold Ceres Medal*.

Satisfactory certificates that the fruits were grown and prepared in the colony, with samples of the fruits, to be presented to the Society.

This premium is also extended to 1831.

The same premium, on similar conditions, is offered for the colonies of

155. The Cape of Good Hope.

156. The Mauritius.

Cultivation of the Tea Plant.

157. To the person who shall cultivate the greatest quantity of land, not less than five acres, with the tea plant, in the East Indies, or in any British colony;—*the Gold Medal*. For the next greatest quantity, not less than three acres;—*the large Silver Medal*.

Certificates that such trees are growing, together with an account of the number of plants, their age, state, and mode of culture, to be produced to the Society.

China Tea.

158. To the person who shall communicate to the Society, from information obtained in China, the best and most authentic account of the culture of the plant or plants, the leaves of which furnish the different kinds of tea; together with the methods of gathering, drying, and otherwise preparing the leaves;—*the Gold Medal*.

This premium is extended to the years 1831 and 1832.

Cinchona.

159. To the person who shall communicate to the Society the best account of one or more of the species

of cinchona, the bark of which is used in medicine, accompanied by specimens of the tree in leaf, flower, and seed; and not less than 10 lbs. of the bark;—*the Gold Medal*.

It would be desirable to have some of the seeds sent over in a state fit for vegetation, for which purpose it is recommended that they should be packed in fresh-burnt charcoal powder, and wrapped up in coarse brown paper: or sown on the day of embarkation between layers of earth in a box with a loose cover, by removing which they may be occasionally aired.

Seeds or Plants of Cinchona.

160. To the person who shall first import, in a state fit for vegetation, the seeds of any of the species of cinchona, the bark of which is used in medicine, and shall have actually raised not fewer than twenty plants from such seeds; or shall have imported twenty plants in a growing state, the said plants being in health at the time of the claim being sent in;—*the Gold Ceres Medal*.

Cultivation of Hemp in Upper and Lower Canada, Nova Scotia, and New Brunswick.

161. To the person who shall sow with hemp the greatest quantity of land in the above-mentioned provinces, not less than six arpents, (each four-fifths of a statute acre,) in the year 1829, and shall at the proper season cause to be plucked the summer hemp (or male hemp bearing no seed), and continue the winter hemp (or female hemp bearing seed) on the ground until the seed is ripe;—*the Gold Medal*.

162. To the person who shall sow with hemp the next greatest quantity of land in the same provinces, not less than five arpents, in the year 1829, in the manner above mentioned;—*the Silver Medal*.

Certificates of the number of arpents, the method of culture, of the plucking of the hemp, with a general account whether sown broad-cast or in drills, and of the expense, soil, cultivation, and produce, to be transmitted to the Society, together with 28 lbs. of the hemp, and two quarts of the seed.

The same premiums are offered for the year 1830.

Importation of Hemp from Canada, Nova Scotia, and New Brunswick.

163. To the person who shall import to this country the greatest quantity of marketable hemp, not less than one hundred tons, in the year 1830, the produce of Canada, or of one of the above-mentioned provinces;—*the Gold Medal.*

Substitute for Hemp.

164. To the person who, in the years 1829 or 1830, shall raise at the Cape of Good Hope, in New South Wales, or in any of the British colonies, and import, a substitute for hemp, not less than two tons, equally cheap, strong, durable, and applicable to all the purposes for which hemp is now used;—*the Gold Medal.*

A quantity of the substitute, not less than 20 lbs., together with the proper certificates, to be produced to the Society.

The Society particularly direct the attention of the public to the phormium tenax, or New Zealand flax.

China Paper for Copper-plate Printing.

165. To the person who shall communicate to the Society the best account of the process employed in China for the manufacture of paper used in England for copper-plate printing, and known by the name of India paper, together with an account of the materials from which such paper is made;—*the Gold Medal.*

Specimens of the paper, not less than one ream, with samples of the materials

in their raw or unmanufactured state, and satisfactory certificates, to be produced to the Society.

Diminution of Human Labour in the Cultivation of Sugar, &c.

166. To the person who shall present to the Society a satisfactory account, founded on experience, of the most advantageous mode of diminishing the labour of persons employed in the cultivation of sugar, cotton, and coffee, in the West Indian colonies, by the substitution of agricultural machinery, or by the use of cattle;—*the Gold Medal.*

Extirpating the Stumps and Roots of Trees.

167. To the person who shall communicate to the Society the best method, verified by his own actual experience, of raising out of the earth and removing the stumps and roots of trees which have been left after felling the timber, so as to clear the land for the purposes of cultivation;—*the Gold Medal.*

Certificates that the method has succeeded with at least fifty trees of large girth, and a full description of the means employed, to be delivered to the Society.

168. To the person who shall communicate to the Society, from information obtained in China, the best and most authentic account of the different earths (with specimens thereof) used in the manufacture of porcelain, together with plans of the furnaces, and the manner of burning, glazing, &c.;—*the large Gold Medal.*

BRITISH MARBLES.

THE Society, considering that it would be beneficial to the commerce of the United Kingdom to bring the British marbles into general use, and that the most effectual method of accomplishing their object would be, *for the present*, to make them more generally known in the capital, have come to the following resolution:—

That specimens of British marbles be exposed in the Society's room, in the Adelphi, for the inspection of the public, under the following regulations:—

1st, That all the specimens be exact to a given size, viz. eight inches high,

six inches broad, one thick, and polished on one face.

2d, That a book be kept, containing the number of each specimen, and describing the situation of the quarry, the name and situation of the parish, the

distance of the quarry from a beaten road, and the distance of that road from water-carriage, with the name of the donor and proprietor. Any remarks on the qualities of the marbles, or on the lime produced from them, will be gratefully received, and preserved by the Society as materials for future inquiries.

As the exertions of the Society can be generally beneficial only inasmuch as their views are seconded by the public, the Society request, that all proprietors

of marble quarries will favour them with a specimen of the marble, worked to the exact size above mentioned, with the description of the quarry as above, that the same may be entered in the book to be preserved for the use of the public. By such arrangements, it is expected, that the interest of the proprietors of the quarries will be promoted, and the use of British marble much extended. A variety are already exhibited in the Society's rooms.

REWARDS

BESTOWED BY THE SOCIETY DURING THE SESSION

1828—9.

IN POLITE ARTS.

Amateurs.

1. Miss Elizabeth Long, 52, Montague-square, for a copy in chalk of a head, the Silver Isis Medal.

2. Master Fred. P'Anson, 5, Cirencester-place, Fitzroy-square, for a copy in chalk of a head, the Silver Isis Medal.

3. Miss Frances Field, Grove-lodge, Lower Tooting, for a copy in chalk of a head, the Silver Isis Medal.

4. Miss Vendramini, 14, Brompton-row, for a copy in chalk of a head, the Silver Palette.

5. Master W. Barth, 32, Cockspur-street, for a copy in pen and ink of a figure, the Silver Palette.

6. Mr. Joseph Tanner, Jun. 7, Little Russell-street, Covent Garden, for a drawing in chalk from a bust, the Silver Palette.

7. Miss Frances Burnell, 14, Park-square, Regent's-park, for a drawing in chalk from a bust, the Silver Isis Medal.

8. Miss Sarah Field, Grove-lodge, Lower Tooting, for a copy of a portrait, a miniature, the Silver Palette.

9. Miss H. Appleton, Brixton Oval, for a copy of a portrait, a miniature, the Silver Isis Medal.

10. Miss Isabella Waters, Rippingale Rectory, Falkingham, for an original portrait, a miniature, the Silver Isis Medal.

11. Miss Louisa Mary Vully, 59, Stafford-place, Pimlico, for an original portrait, a miniature, the large Silver Medal.

12. Miss Mintorn, Redland, near Bristol, for an original group of portraits, a miniature, the large Silver Medal.

13. Mr. C. Ward, Jun. 2, James-street, Adelphi, for a copy in pencil of a landscape, the Silver Isis Medal.

14. Mr. C. Bassett, 15, Norfolk-street, Strand, for a copy in water-colours of a landscape, the Silver Isis Medal.

15. Miss F. Crockford, 26, Sussex-place, Regent's-park, for a copy in water-colours of a landscape, the Silver Palette.

16. Miss Susan Gordon, 18, Finsbury-circus, for a copy in pencil of a landscape, the Silver Isis Medal.

17. Miss Jane Lodwick, Rochford-hall, Essex, for a copy in pencil of a landscape, the Silver Palette.

18. Miss Belinda S. Wiggins, 130, Piccadilly, for a landscape in water-colours, from nature, the large Silver Medal.

19. Miss Charlotte Augusta Lester, Elm-street, Gray's-inn-lane, for a copy in water-colours of flowers, the Silver Isis Medal.

20. Miss J. W. Hurlstone, 52, Sloane-street, for a group of flowers from nature, in water-colours, the Silver Isis Medal.

21. Miss A. Redaway, 438, Strand, for a flower from nature in water-colours, the Silver Isis Medal.

22. Mr. F. Newton, Walton on Thames, for a copy in pencil of an animal, the Silver Palette.

23. Miss Rebecca Eggbrecht, Frith-street, Soho-square, for a copy in pen and ink of an animal, the Silver Isis Medal.

24. Miss Hennah, Citadel, Plymouth, for a drawing in water-colours of a moth from nature, the large Silver Medal.

25. Mr. W. R. Patterson, 2, Broad-

way, Westminster, for a painting in oil of animals from nature, the large Silver Medal.

26. Mr. J. Emilius Mayer, 2, Penton-place, Walworth, for a coloured anatomical drawing, the Silver Isis Medal.

Artists.

27. Miss Sarah Setchel, 23, King-street, Covent Garden, for a copy in pencil of a head, the Silver Palette.

28. Mr. J. Reed, 6, Charlotte-street, Bloomsbury, for a drawing in chalk from a bust, the large Silver Medal.

29. Mr. James Mollison, 20, Dorset-street, Portman-square, for a drawing in chalk from a bust, the Silver Isis Medal.

30. Mr. W. Edward Frost, High-street, Wandsworth, for a drawing in chalk from a bust, the Silver Palette.

31. Mr. Frederick Thrupp, 15, Paddington-green, for a drawing in chalk from a bust, the Silver Palette.

32. Mr. Alfred Henry Taylor, 35, Rathbone-place, for an outline of an anatomical figure, the Silver Isis Medal.

33. Mr. James Pugh, 65, Upper Charlotte-street, Fitzroy-square, for an outline drawing of a figure, the Silver Isis Medal.

34. Mr. J. Bell, 6, Charlotte-street, Bloomsbury, for a drawing in chalk from the Laocoon, the large Silver Medal.

35. Mr. Edward Petre Novello, 66, Great Queen-street, Lincoln's-inn-fields, for a drawing in chalk from a statue, the Silver Isis Medal.

36. Miss L. Corboux, 5, Hercules-buildings, Lambeth, for a copy in water-colours of an historical subject, the large Silver Medal.

37. Mr. A. R. Slous, 6, Bayham-street, Camden Town, for an original historical composition in water-colours, the Gold Isis Medal.

38. Miss F. Corboux, 5, Hercules-buildings, Lambeth, for an original historical composition in water-colours, the Silver Isis Medal.

39. Miss Caroline Derby, 12, Osna-burg-street, Regent's-park, for a miniature, a copy, the Silver Isis Medal.

40. Miss Lingard, 5, Hart-street, Bloomsbury, for a copy in oil of a portrait, the large Silver Medal.

41. Mr. Alexander Fussell, 22, Goul-den-terrace, Pentonville, for a copy in pencil of a landscape, the Silver Isis Medal.

42. Mr. Philip Purcell, Dunts-hill,

Wandsworth, for a copy in water-colours of flowers, the Silver Isis Medal.

43. Miss Eliza Stone, 51, East-street, Brighton, for an original composition of flowers in water-colours, the large Silver Medal.

44. Mr. D. Pasmore, 6, Salisbury-court, Fleet-street, for a painting in oil of animals from nature, the Gold Isis Medal.

45. Mr. C. West Cope, 8, Southampton-street, Hampstead-road, for an original composition in oil of still-life, the Silver Isis Medal.

46. Mr. W. Thisselton, 3, America-terrace, King's-road, Chelsea, for an original composition in oil of still-life, the large Silver Medal.

47. Mr. Joseph Stevens, 11, Winchester-place, Pentonville, for a model of a bust from nature, the large Silver Medal.

48. Mr. W. Hill, 3, Colemore-row, Birmingham, for an engraving of a landscape, the large Silver Medal.

49. Mr. Joseph Epinetus Coombs, 219, Tottenham-court-road, for an engraving of a portrait, the Silver Isis Medal.

50. Mr. G. Moore, 62, Welbeck-street, for a perspective drawing of a capital in the Chapter-house of Westminster Abbey, the large Silver Medal.

51. Mr. Samuel Hatchard, 44, Holywell-street, Millbank, for a model of an architectural ornament from Rochester Cathedral, the large Silver Medal.

52. Mr. W. Barnes, Mercer's-hall, for an original drawing of foliage, the large Silver Medal.

53. Mr. Geo. Reeve, 21, Marsham-street, Westminster, for an original model of foliage, the large Silver Medal.

54. Mr. H. Palmer, Duke-street, Reading, for an original drawing of foliage, the Silver Isis Medal.

55. Mr. J. Vendramini, 14, Brompton-row, for his engraving from the picture by Sebastian del Piombo of the Raising of Lazarus, the large Gold Medal.

56. Mr. J. Robertson, Worton-house, Isleworth, for his improvements in the art of painting in water-colours, the Gold Isis Medal.

57. Mr. Joseph Netherclift, 8, Newman-street, for his improved method of making lithographic transfers, 20*l*.

Miscellaneous.

58. Miss Marianne Pillichody de Ba-voy, 7, South-crescent, Bedford-square,

for a copy in water-colours of the interior of a building, the Silver Isis Medal.

59. Mr. J. Pasmore, 6, Salisbury-court, Fleet-street, for a drawing of a head from nature, the Silver Palette.

60. Mr. Ed. Hassell, 12, Upper Belgrave-place, Pimlico, for an original painting in oil of the interior of Edward the Confessor's Chapel, the Silver Isis Medal.

61. Mr. G. C. Farrant, 10, Chad's-row, Gray's-inn-road, for a pen and ink drawing of a figure, the Silver Isis Medal.

62. Miss Fenton, 241, Oxford-street, for an etching of a head, the Silver Isis Medal.

63. Mr. Saxon McCarthy, 8, Craig's-court, for carvings in ivory of equestrian figures, the large Silver Medal.

IN MECHANICS.

64. Thomas Dowler, M.D. for his musical instrument called the glosophone, the large Silver Medal.

65. Mr. J. Cuthbert, 5, Purbeck-place, Lambeth, for his stand for an astronomical telescope, the large Silver Medal and 20*l*.

66. Mr. W. H. Hilton, 10, Regent-street, for his pump for racking wine, the large Silver Medal.

67. Mr. R. Parvin, 3, Carpenter-street, Mount-street, for his improved French window, the Silver Isis Medal and 5*l*.

68. Mr. W. Tindall, Leeds, for his wheel with an oblique axle, the Silver Isis Medal.

69. Mr. W. Aust, Hoxton New Town, for a copper lining to a leaden pump-barrel, 5*l*.

70. Mr. T. Williams, Lieut. R.N. for his oars to be worked by one hand, the large Silver Medal.

71. Mr. W. P. Green, Lieut. R.N. for his yoke for a disabled rudder, the Silver Isis Medal.

72. Mr. W. Rodger, Lieut. R.N. for his syphon for watering ships, the Gold Isis Medal.

73. Mr. W. Rodger, Lieut. R.N., for his make-shift anchor, the large Silver Medal.

74. Mr. Edward Carey, R.N. for his method of preventing dry rot in ship timber, the large Silver Medal.

75. Mr. T. Reynolds, 13, Arbourterrace, Commercial-road, for his repeating stop for a naval sextant, the Gold Isis Medal.

76. Mr. D. Davies, 15, Wigmore-street, for a fire-escape, the large Silver Medal.

77. Mr. S. Mordan, 22, Castle-street, Finsbury, for his self-centering lathe-chuck, the large Silver Medal.

78. Mr. Joseph Clement, 19, Prospect-place, St. George's, Southwark, for his self-acting double driver for a lathe-chuck, the large Silver Medal.

IN MANUFACTURES.

79. Mr. James Roberts, 7, Abbey-street, Bethnal-green-road, for his improvements in weaving velvet, 5*l*.

80. Mr. J. Hughes, 93, Sebright-street, Bethnal-green, for his improved cards for weaving figured silks, the Silver Isis Medal and 15*l*.

In Chemistry.

81. Mr. C. S. Smith, 3, Kirkman's-place, Tottenham-court-road, for his method of manufacturing melting pots for iron and steel, 20*l*.

In Agriculture.

82. Mr. R. Green, 57, Ernest-street, Regent's-park, for his draining plough, 15*l*.

83. Mr. J. Pearson, Frittenden, Kent, for his draining plough, the large Silver Medal and 15*l*.

84. Joseph Kirby Trimmer, Esq. Strand on the Green, Kew, for his flock of improved Merino sheep, the large Gold Medal.

In Colonies and Trade.

85. Josias Booker, Esq. Liverpool, for his substitution of machinery in aid of slave labour, the large Gold Medal.

By Order, ARTHUR AIKIN, Sec.